

**NORTH AMERICA  
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**FAX TO : PERT, EVAN T**

**ART UNIT: 2829**

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NOV 18 2003

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**OFFICIAL**

**FROM : Winston Hsu, PATENT AGENT, REG. NO. : 41,526**

**SUBJECT: SERIAL NO. : 10/064,036**

**RESPONSE TO OFFICE ACTION MAILED ON 09/16/2003**

**TOTAL PAGES : 31 PAGES (INCLUDING COVER PAGE)**

**The hardcopy of this response will be sent to USPTO by Federal Express  
right away.**

**Winston Hsu 2003/11/11**

Approved for use through 10/31/2003. OHS 048-2031  
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APPLICATION NUMBER: 10/064,036

PAPERS INCLUDED:

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement by Applicant	1 PAGE
(4) Response to the Office Action	9 PAGES
(5) Drawings	17 PAGES

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PTO/50/21 (05-00)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/064,038
Filing Date	06/04/2002
First Named Inventor	Steve S. Chung
Group Art Unit	2829
Examiner Name	PERT, EVAN T
Attorney Docket Number	NAUP0500USA

Total Number of Pages in This Submission

29

**ENCLOSURES (check all that apply)**

- ☒ Fee Transmittal Form  
☐ Fee Attached  
☒ Amendment / Reply  
☐ After Final  
☐ Affidavit/declaration(s)  
☐ Extension of Time Request  
☐ Express Abandonment Request  
☒ Information Disclosure Statement  
☐ Certified Copy of Priority Document(s)  
☐ Response to Missing Parts/ Incomplete Application  
☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)  
☒ Drawing(s)  
☐ Licensing-related Papers  
☐ Petition  
☐ Petition to Convert to a Provisional Application  
☐ Power of Attorney, Revocation Change of Correspondence Address  
☐ Terminal Disclaimer  
☐ Request for Refund  
☐ CD, Number of CD(s) \_\_\_\_\_

- ☐ After Allowance Communication to Group  
☐ Appeal Communication to Board of Appeals and Interferences  
☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  
☐ Proprietary Information  
☐ Status Letter  
☐ Other Enclosure(s) (please identify below):

Remarks

Response to the office action has been sent to the examiner by fax on 11/11/2003

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm  
or  
Individual name

Winston Hsu, Reg. No.: 41,526

Signature

*Winston Hsu*

Date

11/11/2003

**CERTIFICATE OF MAILING**

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PTO/SB/17 (01-03)

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U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL

## for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$): 180.00

## Complete If Known

Application Number 10/084,038  
 Filing Date 06/04/2002  
 First Named Inventor Steve S. Chung  
 Examiner Name PERT, EVAN T  
 Art Unit 2828  
 Attorney Docket No. NAUP05005A

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:  
 Account Number: 50-0801  
 Account Name: North America International Patent Office

The Commissioner is authorized to: (check all that apply)  
☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

1. BASIC FILING FEE		Fee Description		Fee Paid
Large Entity	Small Entity			
1001 750	2001 375	Utility filing fee		
1002 330	2002 165	Design filing fee		
1003 820	2003 260	Plant filing fee		
1004 760	2004 378	Reissue filing fee		
1006 180	3006 90	Provisional filing fee		
SUBTOTAL (1)		(\$)		0.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee From	Fee Paid
Independent	-30% =	X	
Multiple Dependent	-3% =	X	

Large Entity		Small Entity		Fee Description	
Fee Code (1)	Fee Code (2)				
1202 18	2202 9	8	Claims in excess of 20		
1201 84	2201 42	8	Independent claims in excess of 3		
1203 280	2203 140	140	Multiple dependent claim, if not paid		
1204 64	2204 32	42	** Release independent claims over original patent		
1205 18	2205 9	9	** Release claims in excess of 20 and over original patent		
SUBTOTAL (2)		(\$)		0.00	

\*For number applicants paid, 8 greater. For Reissues, see above

## FEE CALCULATION (continued)

3. ADDITIONAL FEES		Large Entity - Small Entity		Fee Description		Fee Paid
Fee Code (1)	Fee Code (2)	Fee Code (3)	Fee Code (4)			
1051 130	2051 65	65	Surcharge - late filing fee or oath			
1052 60	2052 25	25	Surcharge - late provisional filing fee or cover sheet			
1053 130	2053 130	130	Non-English specification			
1612 2,820	1912 2,820	2,820	For filing a request for ex parte reexamination			
1604 820*	1904 900*	900*	Requesting publication of AIR prior to Examiner action			
1905 1,840*	1905 1,840*	1,840*	Requesting publication of SIR after Examiner action			
1261 110	2261 55	55	Extension for reply within first month			
1262 410	2262 205	205	Extension for reply within second month			
1263 930	2263 465	465	Extension for reply within third month			
1264 1,480	2264 725	725	Extension for reply within fourth month			
1265 1,970	2265 985	985	Extension for reply within fifth month			
1401 820	2401 160	160	Notice of Appeal			
1402 820	2402 160	160	Filing a brief in support of an appeal			
1403 280	2403 140	140	Request for oral hearing			
1451 1,610	1910 1,610	1,610	Petition to institute a public use proceeding			
1462 110	2462 55	55	Petition to revive - unavoidable			
1463 1,300	2463 650	650	Petition to revive - unintentional			
1501 1,300	2501 650	650	Utility issue fee (or release)			
1002 470	2002 235	235	Design issue fee			
1503 830	2503 315	315	Plant issue fee			
1400 130	1400 130	130	Petitions to the Commissioner			
1807 60	1807 60	60	Processing fee under 37 CFR 1.17(e)			
1808 180	1808 180	180	Submission of Information Disclosure Sheet			180.00
8021 40	8021 40	40	Recording each patent assignment per property (times number of properties)			
1809 760	2806 378	378	Filing a suspension after final rejection (37 CFR 1.129(a))			
1810 760	2810 378	378	For each additional invention to be examined (37 CFR 1.129(b))			
1901 760	2901 378	378	Request for Continued Examination (RCE)			
1902 900	1902 900	900	Request for accelerated examination of a design application			
Other fee (specify):						
*Reduced by Basic Filing Fee Paid						
SUBTOTAL (3) (\$)						180.00

## SUBMITTED BY

Name (Print/Type)

Winston Hsu

Signature

[Signature]

Registration No.

41,528

Name (Print/Type)

[Signature]

## Complete (if applicable)

Telephone 886289237350

Date

11/11/2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, reviewing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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CUST#UMCD-2002-0037  
NPO#NAU-PC500-USA-0//

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED  
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NOV 12 2003

**OFFICIAL**

5 Applicant: Steve S. Chung Examiner: Pert, Evan T  
Shang-Jr Chen  
Chien-Kuo Yang  
Der-Yuan Wu  
Filing Date: 06/04/2002 Art Unit: 2829  
10 App. No.: 10/064,036 Docket No.: NAUP0500USA

Title: DIRECT DETERMINATION OF INTERFACE TRAPS IN MOS  
DEVICES

15 To: Commissioners for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Subject: Response to the Office action dated 09/16/2003  
20

Dear Sir or Madame:

**INTRODUCTORY COMMENTS**

25 In response to the Office action identified above, the above-identified application  
is to be amended as indicated in the following sections. Consideration of all  
amendments is politely requested.